

DEEP RABADIYA

+91-9510108275

[in https://www.linkedin.com/in/deep-rabadiya-998816215](https://www.linkedin.com/in/deep-rabadiya-998816215)

[Portfolio](#)

[✉ mailto: deepp6603@gmail.com](mailto:deepp6603@gmail.com)

EDUCATION

M.Sc. Agriculture Analytics (CPI: 8.71/10.00)

Dhirubhai Ambani Institute of Information & Communication Technology (DAIICT) & IIRS-ISRO & AAU

B.Sc.(Hons) Agriculture (CPI: 7.8/10.00)

Junagadh Agricultural University (JAU)

SKILLS

Area(s) of Interest | Geo-spatial Analysis, Remote Sensing and GIS, Machine Learning

Programming Languages | Python, SQL, R

Tools and Technologies | ArcGIS, QGIS, ERDAS IMAGINE, Envi, Google Earth Engine, PostgreSQL, Power BI, Advance Excel, SciKit-Learn, Ms-Office

EXPERIENCE

• **Centre of Excellence For Protected Cultivation and Precision Farming on Vegetables** | Aug 2022

The centre comes under Indo-Israel Agriculture Cooperation Project, which provides new technologies and opportunities to various genres. I learned about various methods of precision farming imported from Israel and got hands-on opportunities on various types of equipment like Hozelock Classic Micro Irrigator, Plug-trays, Venturies, High-tech nurseries etc.

• **Machine Learning Intern (remote)** | (Coding Samurai) | March 2024 – April 2024

• **Machine Learning Intern (remote)** | (Mentorness) | March 2024

PROJECTS

• **Land Cover Change Detection (Deforestation)** | Python, Machine Learning, ArcGIS, Qgis, Rasterio Library | Dr. Ranendu Ghosh

• **Crop Yield Estimation and Crop Area Acreage Calculation** | Erdas Imagine, ArcGIS, Google Earth Engine | Amnex

• **Soil erosion/salinity estimation from satellite using advanced statistical learning** | Python, Machine Learning, ArcGIS | Justin George & Prabahakar Alok Verma

• **NPK Detection and Inventory Management System** | Python | Dr. Amit Mankodi

• **Soil Moisture Prediction** | Machine Learning | Dr. Kamal Panday

• **Crop Recommendation System** | PostgresML, Various ML Algorithms, VS Code, Streamlit | Mr. Kapil Oberai

CERTIFICATIONS

Microwave Data Processing and Applications by Space Application Centre, ISRO

Spatial Analysis with ArcGIS Pro by ESRI, India

Application of Advanced Geospatial Technologies in Agriculture with special reference to Crop Yield Modelling and Agromet Parameter Retrieval by Amnex Infotechnologies

Application of Geoinformatics in Ecological Studies by IIRS, ISRO

Advance Excel, Power BI and Tableau by The Pioneer Tech

POSITIONS OF RESPONSIBILITY

National Service Scheme (NSS) | Feb 2020

During NSS, I actively participated in initiatives such as cleanliness drives, awareness campaigns, and educational programs as well as organizing a health camp in a rural village.

INTEREST

Palying Badminton

Playing kho-kho

Travelling